

# Sequence alignment

## RESULT 7

US-08-989-362-2

; Sequence 2, Application US/08989362

; Patent No. 6242586

; GENERAL INFORMATION:

; APPLICANT: Gorman, Daniel M.

; APPLICANT: Mattson, Jeanine D.

; TITLE OF INVENTION: Mammalian Cell Surface Antigens; Related

; TITLE OF INVENTION: Reagents

; NUMBER OF SEQUENCES: 2

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: DNAX Research Institute

; STREET: 901 California Avenue

; CITY: Palo Alto

; STATE: California

; COUNTRY: USA

; ZIP: 94304-1104

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/989,362

; FILING DATE: 12-DEC-1997

; CLASSIFICATION: 56

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 60/032,846

; FILING DATE: 13-DEC-1996

; ATTORNEY/AGENT INFORMATION:

; NAME: Ching, Edwin P.

; REGISTRATION NUMBER: 34,090

; REFERENCE/DOCKET NUMBER: DX0686

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; INFORMATION FOR SEQ ID NO: 2:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 316 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-989-362-2

Query Match 84.1%; Score 1417.5; DB 4; Length 316;  
Best Local Similarity 84.3%; Pred. No. 2.6e-136;  
Matches 268; Conservative 16; Mismatches 31; Indels 3; Gaps 2;

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Qy 1 MRRASRDYTKYLRGSEEMGGGPGAPHEGPLH-APPPAPHPQPPAASRSMFVALLGLGLGQ 59
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Db 1 MRRASRDYKYLRSSEEMGGGPGVPHEGPLHPAPAPAPPPAASRSMFLALLGLGLGQ 60
Qy 60 VVCSVALFFYFRAQMDPNRISEDTGTHCIYRILRLHENADFQDTTLESQTKLIPDSRRRI 119
    ||||| ||| ||||| ||| ||||| ||| ||| ||||| |||||
Db 61 VVCSIALFLYFRAQMDPNRISEDTGTHCFYRILRLHENAGLDSTLESDT--LPDSCRRM 118
Qy 120 KQAFQGA VQKELQHIVGSGHRAEKAMVDGSWLDLAKRSKLEAQPFAHLTINATDIPSGS 179
    ||||| ||||| ||||| ||| ||||| ||| ||| ||||| |||||
Db 119 KQAFQGA VQKELQHIVGPQRFSGAPAMMEGSWLDVAQRGKPEAQPFAHLTINAASIPSGS 178
Qy 180 HKVSLSSWYHNRGWAKISNMTFSNGKLIVNQDGFYLYANICFRHHETSGDLATEYLQLM 239
    ||||| ||||| ||||| ||| ||||| ||| ||| ||||| |||||
Db 179 HKVTLSSWYHNRGWAKISNMTLSNGKLIVNQDGFYLYANICFRHHETSGSVPTDYQLM 238
Qy 240 VYVTKTSIKIPSSHTLMKGGSTKYWSGNSEPHFYSINVGGFKLRSGEESIEVSNPSLL 299
    ||||| ||||| ||||| ||| ||||| ||| ||| ||||| |||||
Db 239 VYVVKTSIKIPSSHNLMKGGSTKNWSGNSEPHFYSINVGGFKLRSAGEESIQVSNPSLL 298
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Db 299 DPDQDATYFGAFKVQDID 316

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